

MONTHLY REPORT

INSTALLATION AND MAINTENANCE BRANCH

1 SEPTEMBER - 30 SEPTEMBER 1961

ENGINEERING STAFF

1. The prototype model of the KW-26 Maintenance Test Set was delivered by [REDACTED] this past month. This set will undergo technical evaluations by various Headquarters elements for the next three months, after which a decision will be made on the desirability of having additional sets manufactured for field use.

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2. Routine maintenance, installation, training, 6ST refurbishing, and the OCI Signal Center move to the New Building, consumed the majority of IMB's technical personnel time this past month.

3. The normally heavy administrative load of the Branch was further increased by the new T.O., creating new technician slots, up-grading of ET-9's to ET-11 journeyman level, promotions against the up-grading and additional problems of assignments resulting from the above.

4. Chief, IMB, in addition to the Chiefs' of Wire Maintenance and Electronic Maintenance Sections attended the two week (morning only) Management Training Course the past month.

5. Two ET's are presently undergoing training on the KY-5 Equipment at N.S.A., [REDACTED]

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6. During the month three technicians (1 WET, 2 ET's) entered on duty. One WET was TDY for four days to [REDACTED] and two technicians departed TDY to assist [REDACTED] installation at [REDACTED]. Two technicians returned from overseas, and one departed PCS for [REDACTED]

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[REDACTED]
Chief, Installation and
Maintenance Branch, OC-E

ELECTRONIC MAINTENANCE SECTION

A. Microwave

Three trouble calls were received during the month. The difficulties were corrected promptly.

B. KY-1 Voice Privacy System

1. The KY-1 switchboard automatic register readings for this period are:

<u>Office</u>	<u>Calls</u>
DDP	180
1803 Qtrs. Eye	331
New State (6208-D)	254
Sig Center	166

2. A total of 1308 calls passed through the switchboard this month.

3. Six trouble calls were received and troubles were promptly corrected.

C. Washington Disaster Plan

Preventive maintenance was performed on V.H.F. Net as follows:

Mobile Units	- 5
Base Station	- 2

D. D.C.I.'s Fono-Vision [REDACTED]

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1. Routine maintenance is being performed on a continuing basis.

2. On 29 September 1961 a second Electronic Technician began on-the-job training in maintenance techniques for this project.

E. Special Projects

1. The 6STM project will be completed during October 1961. It is now in its final stage. The corrected drawings have been turned over to drafting. The parts list has been prepared and turned over to MSB for procurement of missing items. The actual typing of revised instruction book is now in progress.

2. The list of tools for the new Electronic Technician's Tool Kit is almost complete. This list with a sample Tool Kit will be submitted for approval about 10 October 1961.

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WIRE MAINTENANCE SECTION

A. Trouble Reports

This Section has corrected a total of 223 troubles for the month of September.

"L" Signal Center	178
1717 "H" Street	11
"Q" Building OCI	25
Outside Area	9

B. Section Activities

1. The biggest news this month, of course, is the OCI Signal Center move to the New Building. During the first stages of the cut-over, seven men from this Section were utilized and one hundred and sixty-five hours of overtime were expended. A considerable amount of trouble was encountered mostly due to the lack of time and last minute changes in the circuits and equipment. A.C. power was not available in the Signal Center area until 3 P.M. Friday before the cut-over time at 6 A.M. Saturday. To further complicate matters, the contract technicians, air conditioning men, and a vast number of operators and supervisors were in the same small room, and working conditions were rough to say the least. However, after a week of actual operating, all of the immediate troubles have been corrected. At present, three Wire Equipment Technicians are detailed to the New Building and this will remain in effect until the "L" Building Signal Center move in November.

2. T-1 Transformers in the KW-26 continue to fail at the rate of about one a week. After contacting all sources of supply, we are to receive two transformers from the Air Force (Scott Field) and twenty from N.S.A. within the next two weeks. Four of the bad units will be given to our Engineers so they can determine the causes of the failures.

3. The KW-26 BA1000 Balance Amplifier packages that were modified to use the 6AQ5 and 6BQ5 tubes are still operating satisfactorily.

4. A new service schedule has been put into effect in the three locations at 1717 "H" Street which has resulted in a much smoother operation. All servicing is up to date.

5. One GNT-950 Perforator was repaired for [REDACTED]
Two others are in our Curie Hall vault area awaiting parts.

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6. Two modification kits were made up for [REDACTED] These were for changing Model "C" Tiny Tots back to the Model "B" type.

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7. Approximately fifty percent of our personnel have received their new color badges and the rest are supposed to be ready this week. This has worked somewhat of a hardship on the section since the old property passes are no longer valid. New property passes are being requested as soon as the new badge numbers are known, but for about two weeks our activities will be hampered somewhat.

8. The Section Chief completed a two week course in Personnel Management.

9. A visit was made to the F.B.I. Laboratory on Penn. Ave. to view a National Ultra Sonic cleaner which they have in operation. Their demonstration was very enlightening, however, we will see demonstrations of other makes before making a final choice.

10. The following equipment moves have taken place:

- a. Three each T.D. Reperf. sets - "L" Sig. Cen. to Rehab.
- b. Rockex set - "Q" Sig. Cen. to Langley
- c. Tiny Tot Model B, Mark II - FI Office "L" Bldg. to Rehab. shop.

11. The following work has been completed by our Rehab. Shop.

a. One each Tiny Tot, Model B, and a regular T.D. were received from stock and installed in the 6ST Receiver Van. Final checks are being made as of this date.

b. Three Model B Mark I Tiny Tots of project 62-2 have been completed and returned to stock in allocation 22.

c. Two Model 28 TD Reperf. sets were assembled, wired for full duplex RATT operation with a 41-C relay and sent to a field station.

d. Two M-28 Page Printers were received from stock, assembled and checked out for transporting to [REDACTED].

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e. Four ASR units and two Model 28 Page Printers were assembled and checked out for special modification by [REDACTED]. Two WET's were assigned to this project for a period of one week to help [REDACTED] perform the modifications prior to shipping overseas.

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f. Three M-19's were received from [REDACTED] which were completely overhauled and checked out for shipping to [REDACTED].

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g. One High Base Reperf. was received from stock and readied for installation in the F.I. Office in "I" Building.

h. Two series governed TD Reperf. Sets also received from stock were assembled and checked for shipment overseas.

i. One Model C, Mark II Tiny Tot was received in damaged condition from a WH project. The damaged components were replaced and the complete unit was overhauled and shipped to [REDACTED]

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j. Seven KW-26 units were opened and the transmitter and receiver units removed and sent to packing. After packing, these and the rest of the units were sent to the New Building.

k. Three KW-26 units were shipped out during the month to field stations.

l. Five KW-26 units were received from N.S.A. and all units opened to secure registered numbers for Security.

C. Overtime

The Wire Maintenance Section expended a total of two hundred and forty-six hours. Breaking it down, we used one hundred and sixty-five hours on the move to the New Building, forty three hours by TDY personnel, and thirty eight hours for normal equipment maintenance.

BRANCH SUPPLY

As of 28 September 1961 the total expenditure for the fiscal year is approximately \$38,155.91.

MECHANICAL MAINTENANCE SECTION

1. Inspected and serviced all Headquarters emergency generator units.
2. Installed new covers for air-vent doors on the 6ST Transmitter Van.
3. Installed new power outlets on both the 6ST Transmitter and Receiver Vans.
4. Phased power line connections on both vans to make all power line connections compatible.
5. Recharged all emergency batteries for the warehouse.

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